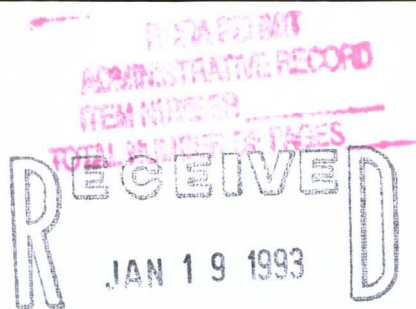




**BURLINGTON
ENVIRONMENTAL**



WAD 2917
FF#8C
1-11-93

RCRA PERMITS SECTION

January 11, 1992³
Project 624878

FILE COPY

Mr. Dave Croxton
Environmental Scientist
U.S. Environmental Protection Agency
1200 Sixth Avenue
Seattle, Washington 98101

Dear Mr. Croxton:

**Subject: Request for Variance from RFI Work Plan,
Regarding Monitoring Well Dimensions**

This letter is to clarify the details of the variance request we agreed to in our telephone conversation on January 8, 1992.³ Approval is requested for the following modifications of the Burlington Environmental Inc. Pier 91 RFI Work Plan. These modifications involve the dimensions of proposed deep-aquifer monitoring wells CP-106B and CP-115B only.

The modifications are as follows. First, the inside diameter (i.d.) of the outer (permanent) casing will be changed from six inches to eight inches. Second, the nominal borehole diameter will be changed from 10 inches to 16 inches.

The lower portion of the borehole is to be advanced by the cable tool method. This involves driving a temporary casing, and installing the well through the temporary casing as the casing is extracted. Washington state law requires that the borehole for a two-inch monitoring well have a minimum diameter of six inches. Therefore the minimum nominal diameter of the temporary casing is approximately six inches. Clearly the outer (permanent) casing must have a diameter greater than six inches so that it can accommodate the temporary casing during well installation.

The upper portion of the borehole is to be advanced using a hollow stem auger drill. The permanent casing is to be emplaced through the auger, while the auger is in the borehole. In order to accommodate the permanent casing, the inside diameter of the auger must be greater than the outside diameter of the permanent casing, which is approximately 8.5 inches. A 16-inch outside-diameter auger, with inside diameter of approximately 11 inches, should be sufficient.

USEPA RCRA

3012430

Burlington Environmental Inc.
7440 West Marginal Way South • Seattle, WA 98108
Phone 206/767-3306 • FAX 206/767-3460



A photocopy of Figure C-4 from the RFI Work Plan, modified as per the two changes described above, is attached for your convenience. I would appreciate your prompt response to this request.

Sincerely,

BURLINGTON ENVIRONMENTAL INC.

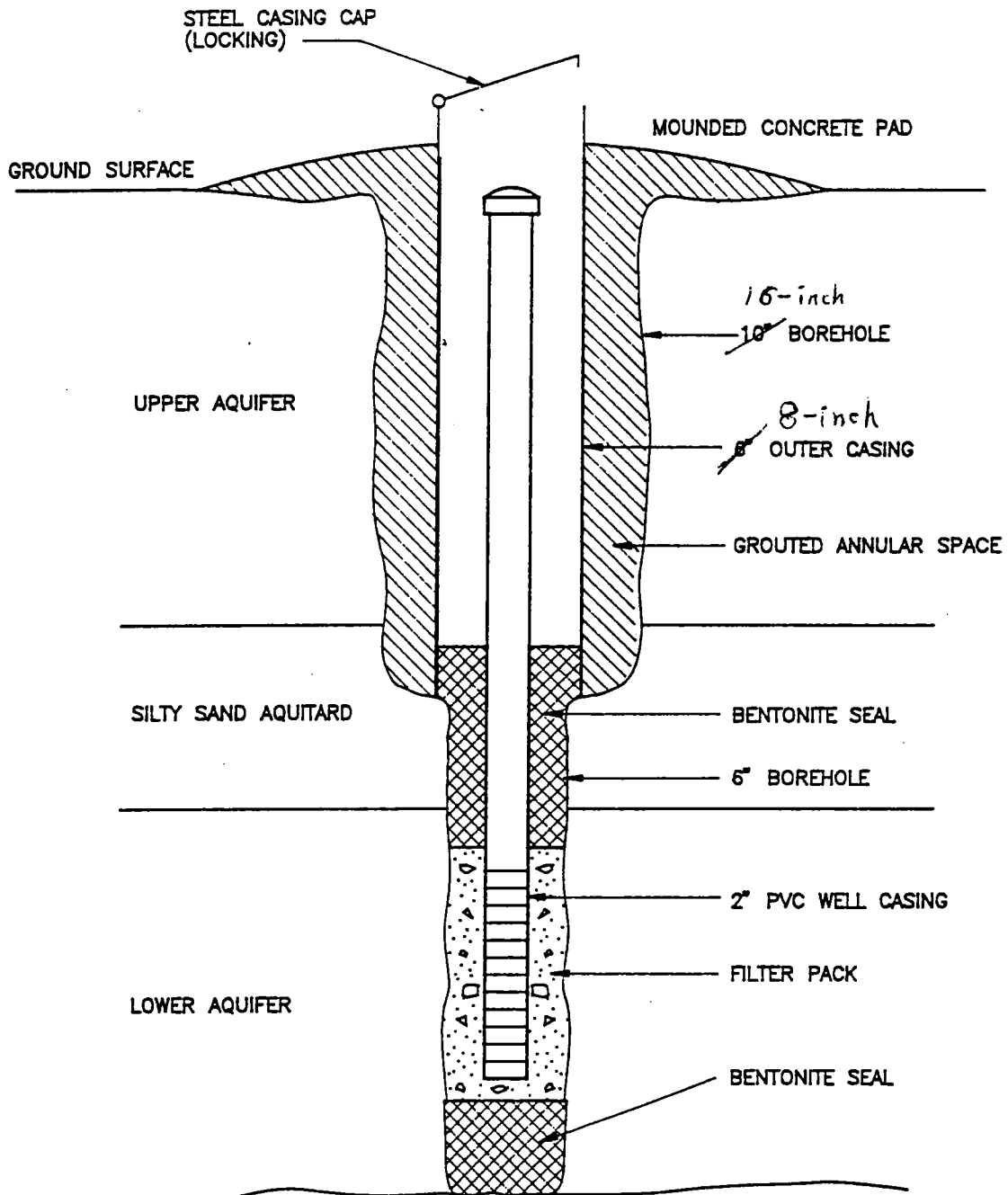
A handwritten signature in cursive script that reads "Joseph Depner".

Joseph Depner
Hydrogeologist

Attachment

JSD/b42:1983b.ltr

DRAWN BY	CHECKED BY	DOCUMENT MANAGER	PROJECT MANAGER
		4.17.92	4.17.92



Burlington Environmental Inc.

BURLINGTON PIER 91 FACILITY
TYPICAL DEEP AQUIFER
MONITORING WELL COMPLETION

BURLINGTON
SEATTLE, WASHINGTON
624878

FIGURE C-4